Applicant: Benita Simon et al. Attorney's Docket No.: 14945.0001

Serial No.: 10/787,122

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**Amendments to the Claims:** 

This listing of claims replaces all prior versions and listings of claims in the application:

**Listing of Claims:** 

1. (Currently Amended) A combination product comprising a positive oil in water emulsion

wherein said emulsion comprises a compound at least one cationic lipid presenting free NH2

groups selected from the group consisting of a C<sub>10</sub>-C<sub>24</sub> alkylamine, a C<sub>10</sub>-C<sub>24</sub> alkanolamine and a

cholesterol ester, at its natural state, at the oil-water interface, and an antibody, wherein said

compound is linked to said antibody by a heterobifunctional linker, linking said NH2 groups to

SH groups on the antibody hinge region.

2. (Original) The combination product of claim 1 wherein said product has a positive zeta

charge.

3. (Cancelled)

4. (Currently Amended) The combination product of claim 3, wherein said cationic lipid

compound presenting NH<sub>2</sub> free groups is stearylamine or oleylamine.

5. (Currently Amended) The combination product of claim 1, wherein said emulsion comprises

colloid particles having an oily core surrounded by an interfacial film, wherein said interfacial

film comprises said cationic lipid compound presenting free NH2 at its natural state, nonionic

surfactant and an anionic surfactant or anionic lipid, wherein said colloidal particles have a

positive zeta potential.

6. (Previously Presented) The combination product of claim 5, wherein said emulsion contains

an active principle (drug).

7. (Previously Presented) The combination product of claim 1, wherein said antibody is a

polyclonal antibody.

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8. (Previously Presented) The combination product of claim 1, wherein said antibody is a monoclonal antibody selected from the group comprising native forms, synthetic forms, chimeric forms and humanized forms.

9. (**Previously Presented**) The combination product of claim 1, wherein said antibody targets an antigen present at the surface of a pathological cell.

10. (Previously Presented) The combination product of claim 1, wherein said antibody targets a protein selected from the group comprising HER-2, H-ferritin, PSMA, mucins, MUC 1, CD 44 and retinal S-Ag.

11. (Currently Amended) The combination product of claim 1, wherein said antibody is AMB8LK ANB8LK antibody.

12. (**Previously Presented**) The combination product of claim 1, wherein said linker is chosen from N-1 stearyl-maleimide (SM), oleylmaleimide, succunimidyl trans-4-(maleimidylmethyl)cyclohexane-1-carboxylate (SMCC) and succinimidyl 3-(2-pyridyldithio)propionate (SPDP).

- 13. (Currently Amended) A method for producing a combination product according to claim 1, comprising the steps of:
- a) optionally reducing an antibody in order to obtain free SH group on its hinge region,
- b) mixing a positive emulsion wherein said emulsion comprises at least one cationic lipid presenting free NH<sub>2</sub> groups selected from the group consisting of a C<sub>10</sub>-C<sub>24</sub> alkylamine, a C<sub>10</sub>-C<sub>24</sub> alkanolamine and a cholesterol ester a compound which, at its natural state, contains free NH<sub>2</sub> groups, wherein said cationic lipid compound is linked to a heterobifunctional linker by said NH<sub>2</sub> groups, with the antibody presenting free SH groups in order to obtain said combination product.

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14. (Currently Amended) The method of claim 13, wherein said positive emulsion in step b) is obtained by emulsion:

i. linking a linker to a free NH<sub>2</sub> group naturally present on a <u>cationic lipid compound</u> that is used to obtain a positive emulsion, in order to obtain a modified compound,

ii. mixing said modified <u>cationic lipid compound</u>, which at its natural state contains free NH<sub>2</sub> groups, with the other products necessary to obtain an emulsion, which are <u>water</u>, oil and an <u>emulsifying agent</u>, in order to obtain a positive emulsion.

15. (Currently Amended) The method of claim 13, wherein said positive emulsion in step b) is obtained by:

i. mixing a <u>cationic lipid compound</u>, which at its natural state contains free NH<sub>2</sub> groups, with the other products necessary to obtain an emulsion, water, oil and an emulsifying agent in order to obtain a positive emulsion,

ii. linking a linker to a free NH<sub>2</sub> group naturally present on said <u>cationic lipid compound</u>, in order to obtain a modified <u>cationic lipid compound</u> within said positive emulsion.